

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Jacob Stoltze and Jorgen Kamstrun-Larsen

Application No.:

10/603297

Filed:

June 23, 2003

For:

Balloon with Reinforcement and/or Expansion

Control Fibers

Group Art Unit:

3731

Mail Stop _____ Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Docket No.: S63.2N-11064-US01

TRANSMITTAL LETTER

1. In regard to the above-identified application, in addition to this 2 page transmittal letter, we are submitting the attached:

4 pg Information Disclosure Statement; 3 pg List of References; 28 References; Copy of Acknowledgment of Electronic IDS; and Postcard.

- 2. With respect to fees:
 - No additional fee is required.
 - ☐ Attached is check(s) in the amount of \$
 - □ Charge additional fee to our Deposit Account No. 22-0350.

3. CONDITIONAL PETITION FOR EXTENSION OF TIME

This conditional petition is being filed along with the papers identified in Item 1 above and provides for the possibility that Applicant has inadvertently overlooked the need for a petition and fee for extension of time or for a petition and fee for any other matter petitionable to the Commissioner as required. If any extension of time for the accompanying response is required or if a petition for any other matter is required, by petitioner, Applicant requests that this be considered a petition therefore.

4. Notwithstanding paragraph 2 above, if any additional fees associated with this communication are required and have not otherwise been paid, including any fee associated with the Conditional Petition for Extension of Time, or any request in the accompanying papers for action which requires a fee as a petition to the Commissioner, please charge the additional fees to Deposit Account No. 22-0350. Please charge any additional fees or credit overpayment associated with this communication to the Deposit Account No. 22-0350.

Respectfully submitted,

VIDAS, ARRETT & STEINKRAUS

Date: October 17, 2003

V: / Yes

isa R. Lindquist

Registration No.: 43071

6109 Blue Circle Drive, Suite 2000 Minnetonka, MN 55343-9185

Telephone: (952) 563-3000 Facsimile: (952) 563-3001

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Certificate Under 37 CFR 1.8: I hereby certify that this Transmittal Letter and the paper(s) as described herein, are being deposited in the U.S. Postal Service, as FIRST CLASS MAIL, addressed to Mail Stop , Commissioner for Patent, P.O. Box 1450, Alexandria, VA 22313-1450, on October 17, 2003.

Mindy I Pivarsk



Docket No.: S63.2N-11064-US01



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In re Application of: Jacob

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Application No.:

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Balloon with Reinforcement and/or Expansion

Control Fibers

Examiner:

Not Yet Assigned

Group Art Unit:

3731

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Listed below or on an attached form listing the cited references and/or a copy of a PTO-892 form is information known to applicant(s). A copy of each listed publication, U.S. patent, foreign patent and U.S. patent application is being submitted herewith, along with a concise explanation of information in a foreign language, if any, pursuant to 37 C.F.R. §1.97-1.98, except that U.S. applications from which priority is claimed under 35 U.S.C. §120, and documents cited in such priority applications, may be omitted from the enclosures pursuant to 37 C.F.R. 1.98(d). Applicant's submission of copies of U.S. applications does not constitute a waiver of the confidentiality of such applications. As such, Applicant requests that any copies of unpublished US applications submitted herewith be excluded from the file wrapper pursuant to 37 C.F.R. §1.14.

Applicants respectfully request that the listed information be considered by the Examiner and be made of record in the above-identified application. If the form listing the cited references or PTO-892 from a prior application is enclosed, the Examiner is requested to initial and return it in accordance with MPEP §609.

This statement is not intended to represent that a search has been made or that the information cited in the statement is, or is considered to be, material to patentability as defined in §1.56.

Applications that are listed on the accompanying form listing the cited references as related by priority are related by priority claim under 35 USC §120. Pursuant to 37 CFR §1.98(d), no copies of cited art in a previous application(s) to which priority was claimed need be submitted. Applicant is providing copies of the form listing the cited references and/or 892 forms from these cases.

X	I. Thi	s staten	nent qualifies as a no-fee Information Disclosure Statement under 37 C.F.R.
§1.97	(b) or ot	herwise	e because to the knowledge of the undersigned attorney it is being filed
(checl	all that	t apply)):
		(1)	within 3 months of the filing date of the application (other than a CPA); or
		(2)	within 3 months of entry of the national stage; or
	X_	(3)	before the mailing of a first Office Action on the merits;
		(4)	before the mailing of a first Office Action after the filing of a request for
			continued examination (RCE) under §1.114;
		(5)	as part of a continued prosecution application (CPA); or
		(6)	during the period of a suspension of action for a CPA under 37 C.F.R.
			§1.103(b).
	II. Th	is state	ment is believed to require a fee or the submission of a certification under
	37 C.F	7.R. §1.	97 (c) or otherwise. If this statement is being filed after the latest of: (1)
	three r	nonths	beyond the filing date of a national application (other than CPA); (2) three
	month	s beyor	nd the date of entry of the national stage as set forth in §1.491 in an
	interna	ational	application; (3) the mailing of a first Office Action on the merits; (4) the
	mailin	g of a f	irst Office Action after the filing of a request for continued examination
	under	§1.114;	or (5) after the filing of a request for a continued prosecution application,
	but be	fore the	mailing date of the earlier of a final office action under §1.113, a notice of
	allowa	ince und	der §1.311 or an action that otherwise closes prosecution in the application,
	then:		
		(1)	a certification as specified in §1.97(e) is provided below; or
		_(2)	a fee of \$180.00 as set forth in §1.17(p) is authorized below, enclosed, or
			included with the payment of other papers filed together with this
			statement.

I hereby certify, under 37 CFR §1.97(e)(2), that no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and to the knowledge of the person signing the statement after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 1.56(c) more than three months prior to the filing of the Information Disclosure Statement.

For the purpose of this certification, Applicant considers the PCT International Search Authority to constitute a foreign patent office.

If this Information Disclosure Statement has been submitted without the appropriate box checked, Applicant requests that this Information Disclosure Statement be considered nevertheless if it is timely submitted under any of the provisions of 37 C.F.R. §1.97 or otherwise. Finally, if any petition is necessary to ensure consideration of this Information Disclosure Statement, Applicant requests that this be treated as such a petition.

This paper Information Disclosure Statement is being simultaneously filed along with an electronic Information Disclosure Statements.

Respectfully submitted,

VIDAS, ARRETT & STEINKRAUS

Date: October/72003

6109 Blue Circle Drive, Suite 2000 Minnetonka, MN 55343-9185 Telephone: (952) 563-3000

Facsimile: (952) 563-3001

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FOR APPLICANT'S
INFORMATION DISCLOSURE STATEMENT
(Use several sheets if necessary)

ATTY DOCKET NO.: S63.2N-11064-US01 APPLICATION NO.: 10/603297

APPLICANT: Jacob Stoltze and Jorgen Kamstrun-Larsen

FILING DATE: June 23, 2003 **GROUP:** 3731

EXAM'S INIT.				
		1	FOREIGN PA	TENT DOCUMENTS
		DOCUMENT NUMBER	DATE	COUNTRY
C	BA	0 615 769 A1	09/21/1994	Europe
	BB	0 934 755 A2	08/11/1999	Europe
	BC	2 753 907 A1	04/03/1998	France
	BD	1 566 674	09/20/1988	Great Briton
,	BE	5-103830 A	04/27/1993	Japan
	BF	90/01969 A1	03/08/1990	WIPO
	BG	91/17789 A1	11/28/1991	WIPO
/	BH	92/08512 A1	05/29/1992	WIPO
1	BI	92/19316 A1	11/12/1992	WIPO
	BJ	92/19940 A1	11/12/1992	WIPO
	BK	93/01792 A1	04/15/1993	WIPO
	BL	93/06792 A1	4/15/1993	WIPO
	BM	93/15787 A1	08/19/1993	WIPO
-	BN	93/24574 A1	12/09/1993	WIPO
	во	94/02185 A1	02/03/1994	WIPO
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EXAMINE	CR		DATE CON	ISIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)

ATTY DOCKET NO.: S63.2N-11064-US01 APPLICATION NO.: 10/603297

APPLICANT: Jacob Stoltze and Jorgen Kamstrun-Larsen

FILING DATE: June 23, 2003 GROUP: 3731

	(Use several sneets if necessary)		FILING DATE: June 23, 2003		GROUP: 37	GROUP: 3731		
EXAM'S INIT.								
		1	FOREIGN PA	TENT DOCUMENTS				
		DOCUMENT NUMBER	DATE	COUNTRY				
	BA	95/23619 A1	09/08/1995	WIPO				
	BB	96/00752 A1	01/11/1996	WIPO				
	BC	96/04951 A1	02/22/1996	WIPO	·			
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	BI	03/000307 A1	01/03/2003	WIPO				
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	во							
	BP							
	BQ							
	BR							
_		OTHER ART (I	Including Autl	nor, Title, Date, Pertinent Pa	ages, Ect.)			
	CA	S. Allen et al., "The Effe 55, June 1991	ect of Additive	s on Tensile Properties of PPI	O-T Fibers", Polyn	ner Preprints, pp. 54-		
	СВ	J.M. Schultz, "Structure	Evolution in Pl	ET Fibers", Polymer Preprints	s, pp.304-306 Apr	il 1992		
	CC	R.K. Menon, "Kinetic Tl April 1992	heory for Liqui	d Crystalline Polymer Solutio	ns", <i>Polymer Prep</i>	prints, pp. 574-575		
EXAMINI	ER		DATE CON	SIDERED				

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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LIST OF REPENTS AND PUBLICATIONS
TO TRANSFOR APPLICANT'S
INFORMATION DISCLOSURE STATEMENT
(Use several sheets if necessary)

ATTY DOCKET NO.: S63.2N-11064-US01

APPLICATION NO.: 10/603297

APPLICANT: Jacob Stoltze and Jorgen Kamstrun-Larsen

GROUP: Not Yet Assigned

EXAM'S							
INIT.		OTHER ART (Including Author, Title, Date, Pertinent Pages, Ect.)					
	CA	J.P. deSouza et al., "Processing Studies of In Situ Composites Based on Blends of Liquid Crystalline Polymers With Engineering Thermoplastics", <i>Polymer Preprints</i> , pp. 392-393, April 1992.					
	СВ	Q. Lin and A.F. Yee, "Measurement of Molecular Orientation of Liquid Crystalline Polymer in situ Composites by X-Ray Scattering Techniques", <i>Polymer Preprints</i> , pp. 298-299, April 1992.					
	CC	J.M. Schultz, "Structure Evolution in PET Fibers", Polymer Preprints, pp. 304-306, April 1992.					
	CD	J. Liu et al., "Crystal Structure and Transitions in Rigid Rod Thermotropic Liquid Crystal Polymers", <i>Polymer Preprints</i> , pp. 337-33,8 April 1992.					
	CE	J.G. Harris and Y. Wang, "Molecular Dynamics Studies of Branched and Linear Hydrocarbons at Liquid-Vapor and Liquid-Solid Interfaces", <i>Polymer Preprints</i> , pp.539-540, April 1992.					
	CF	R.K. Menon, "Kinetic Theory for Liquid Crystalline Polymer Solutions", <i>Polymer Preprints</i> , pp.574-575, April 1992.					
	CG	E. Barmatov et al, "Oriented Networks of Comb-Shaped Liquid Crystalline Polymers", <i>Polymer Preprints</i> , pp. 706-707, August 1993.					
	СН	M. Brehmer et al., "LC-Elastomers by Chemical and Physical Crosslinking", <i>Polymer Preprints</i> , pp. 708-709, August 1993.					
	CI	Y. Yang et al., "Orientation and Strain-Induced Liquid-Crystalline Phase Transition of Networks of Semi-Rigid Chains", Polymer Preprints, pp. 729-730, August 1993.					
	CJ	R. Stadler and T. Oehmichen, "Telechelic Oligoaramides-A means for Rigid-Rod Molecular Inforcement of Thermoplastic Materials", <i>Polymer Preprints</i> , pp. 731-733, Augst 1993.					
	ÇК	V. Bostow, "Properties of Polymer Liquid Crystals: Choosing Molecular Structures and Blending", <i>Polymer eview</i> , Volume 21, pp.979-995, June 1990.					
	CĻ	P.J. Collings, "Liquid Crystals, nature's Delcicate Phase of Matter", pp.20-23, 162-180 (1990).					
	CM	I.C. Khoo, "Liquid Crystals and Physical Properties and Nonlinear Optical Phenomena", pp.5-11 (1995).					
	CN	S. Allen et al., "The Effect of Additives on Tensile Properties of PPD-T Fibers", <i>Polymer Preprints</i> , pp. 54-55, June 1991.					
	cò	Superex Polymer, Inc. press release, "Dual Compatibilized Recyclable PET-LCP Alloys with Enhanced Barrier and Structural Performance.					
	СЪ	Hoechst Celanese Vectra ® Liquid Crystal Polymer Product Information					
	CQ	Superex Polymer, Inc. Advertisement, "Building Product value through new processing and application technologies".					
	ÇR	Xydar ® product data, September 1994.					
	CS	Amoco Engineering Plastics for Performance and Value product brochure.					
	СТ —	B. Miller, "Rotating Dies Pave Way for Extruding LCP", Plastics World.					
	CU -	A.M. Adur and L.J. Bonis, "PET-LCP Compatibilized Alloys: A New Unique Development", Everest International.					
	cv	G.C. Rutledge, "Modeling Chain Rigidity and Orientation in Liquid Crystalline Polymers:, <i>Polymer Preprints</i> , pp. 537-538, April 1992.					
EXAMINE	ER	DATE CONSIDERED					

FILING DATE: June 23, 2003



UNITED STATES PATENT AND TRADEMARK OFFICE ACKNOWLEDGEMENT RECEIPT

Electronia Version 1.1

Stylesheet Version v1.1.1

Title of Invention

Balloon with Reinforcement and / or Expansion Control Fibers

Submission Type:

Information Disclosure Statement

Application Number:

10/603297

*10/60

EFS ID:

49457

Server Response:

Confirmation Code	Message			
ł I	Submission was successfully submitted – Even if Informational or Warning Messages appear below, ple not resubmit this application			
ICON1	3241			
ISYS5	Filename= N/A BusinessRule= Validation System/Fundall Information. #Supporting Msg:Server unable to vathe Confirmaton/Application numbers at this time. The checked by PTO personnel later.			

First Named Applicant: Jacob Stoltze

Attorney Docket Number: S63.2-11064-US01

Timestamp:

2003-10-17 12:48:08 EDT

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File Listing:

Doc. Name	File Name	Size (B
us-ids	IDS_final_1 - usidst.xml	
us-ids	us-ids.dtd	
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package-data	us-package-data.xsl	
	Total files size	

Message Digest: ce28e9de14619431f6c7442512d94141a43fc45b

Digital Certificate Holder cn=Lisa L. Ryan-Lindquist,ou=Registered

Name: Attorneys,ou=Patent and Trademark

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Government,c=US



TRANSMITTAL

Electronic Version PADEN

Stylesheet Version v1.1.0

Title of Invention

Balloon with Reinforcement and / or Expansion Control Fibers

Application Number:

10/603297

10/603297

Date:

2003-10-01

First Named Applicant:

Mr. Jacob Stoltze

Confirmation Number:

3241

Attorney Docket Number: \$63.2-11064-US01

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I, the undersigned, certify that I have viewed a display of document(s) being electronically submitted to the United States Patent and Trademark Office, using either the USPTO provided style sheet or software, and that this is the document (s) I intend for initiation or further prosecution of a patent application noted in the submission. This document(s) will become part of the official electronic record at the USPTO.

Submitted by:	Elec. Sign.	Sign. Capacity
Mrs. Lisa Ryan–Lindquist Registered Number: 43071	lisa ryan lindquist	Attorney

Documents being submitted us-ids	Files IDS_final_1 -usidst.xml us-ids.dtd	
Comments	us-ids.xsl	



ELECTRONIC INFORMATION DISCLOSURE STATEMENT

ectronic Version v18 Stylesheet Version v18.0

> Title of Invention

Balloon with Reinforcement and / or Expansion Control **Fibers**

Application Number:

10/603297

10/603297

Confirmation Number:

3241

First Named Applicant:

Jacob Stoltze

Attorney Docket Number: S63.2-11064-US01

Search string:

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20030074016).pn.

US Patent Documents

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass
	1	3825036	1974-07-23	. Stent		138	174
	2	3953566	1976-04-27	Gore		264	288
	3	3991014	1976-11-09	Kleinschuster		260	47C
	4	4067852	1978-01-10	Calundann		260	47C
	5	4083829	1978-04-11	Calundann et al.		260	47C
	6	4130545	1978-12-19	Calundann		260	40 P

7	4161470	1979-07-17	Calundann
8	4187390	1980-02-05	Gore
9	4318842	1982-03-09	East et al.
10	4331786	1982-05-25	Foy et al.
11	4332035	1982-06-01	Mano
12	4386174 -	1983-05-31	Cogswell et al.
13	4433083	1984-02-21	Cogswell et al.
14	4448195	1984-05-15	LeVeen et al.
15	4468364	1984-08-28	Ide
16	4655771	1987-04-07	Wallsten
17	4868243	1989-09-11	Gelles et al.
18	4877030	1989-10-31	Beck et al.
19	4878906	1989-11-07	Lindemann et al.
20	4938763	1990-07-03	Dunn et al.
21	4950239	1990-08-21	Gahara et al.
22	4990155	1991-02-05	Wilkoff
23	5007926	1991-04-16	Derbyshire
24	5019090	1991-05-28	Pinchuk
25	5078736	1992-01-07	Behl
26	5085629	1992-02-04	Goldberg et al.
27	5100429	1992-03-31	Sinofsky et al.
28	5128202	1992-07-07	Subramanian et al.
29	4921484	1990-05-01	Hillstead
30	5147400	1992-09-15	Kaplan et al.
31	5156785	1992-10-20	Zdrahala
32	5195969	1993-03-23	Wang et al.
33	5213576	1993-05-25	Abiuso et al.
34	5248305	1993-09-28	Zdrahala
35	5269755	1993-12-14	Bodicky
36	5270086	1993-12-14	Hamlin
37	5290306	1994-03-01	Trotta et al.
38	5292321	1994-03-07	Lee
39	5302334	1994-04-12	Pierini et al.

260	40 P			
174	102 R			
524	605			
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264	176 R			
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	40	5306246	1994-04-26	Shatjian et al.		604	96
	41	4921484	1990-05-01	Hillstead		604	104
	42	5752934	1998-05-19	Campbell et al		604	96
	43	4706670	1987-11-17	Andersen et al		128	344
	44	6423089	2002-07-23	Gingras et al	B1	623	1.11
	45	6432130	2002-08-13	Hanson	B 1	623	1.11
	46	6527739	2003-03-04	Bigus et al	B1	604	101.01
	47	6533806	2003-03-18	Sullivan et al	B1	623	1.11
	48	6576006	2003-06-10	Limon et al	B2	623	1.11

US Published Applications

Note: Applicant is not required to submit a paper copy of cited US Published Applications

init	Cite.No.	Pub. No.	Date	Applicant	Kind	Class	Subclass
	1	20030074016	2003-04-17	Campbell et al	A 1	606	192

Remarks

Note: Remarks are not for responding to an office action.

This Electronic Information Disclosure Statement is being simultaneously filed along with a paper Information Disclosure Statement. This statement qualifies as a no-fee Information Disclosure Statement under 37 CFR section 1.97 (b) or otherwise because to the knowledge of the undersigned attorney it is being filed before the mailing of a first Office Action on the merits. Applicant does not believe that any fee is required, however if any fee is required, the Commissioner is authorized to charge any necessary fees to deposit account 22–0350.

Signature

Examiner Name	Date